

Technical Data		Audi S8 TFSI quattro tiptronic (420 kW)
Program for Germany		Status: November 11, 2019
Engine / electrics	Engine type V8 engine Valve gear / number of valves per cylinder Roller cam follower, continuous intake and exhaust camshaft adjustment, hydraulic valve-play compensation / 2/2 inlet/exhaust valves per cylinder Displacement in cc / bore x stroke in mm / compression 3996 / 86.0 x 86.0 / 10.1 Max. power output in kW (PS) / rpm 420 (571) / 6000 - 6000 Max. torque in Nm (lb·ft) / at rpm 800 (590.0) / 2000 - 4500 Mixture preparation Direct injection, lambda control, knock control, turbocharger, intercooler Exhaust emission control Catalytic converter, oxygen sensor, gasoline particulate filter Emissions standard EU 6 Start-stop / REM yes / yes Battery in A / Ah 380 / 68 Max. electrical output at 12V in kilowatts 3 On-board voltage 1 in volts 12 On-board voltage 2 in volts 48	
Drive type		quattro permanent all-wheel drive with self-locking center
Type of center differential		Self-locking
Type of rear axle differential		quattro sport
Clutch		Hydraulic torque converter with lock-up clutch
Transmission type		8-speed tiptronic / automatic
Transmission ratio in 1st/2nd gear		4.714 / 3.143
Transmission ratio in 3rd/4th gear		2.106 / 1.667
Transmission ratio in 5th/6th gear		1.285 / 1.000
Transmission ratio in 7th/8th gear		0.839 / 0.667
Reverse gear ratio / final drive ratio 1-2		3.317 / 3.204
Suspension / steering / brakes	Type and design of front-axle suspension Five-link front axle; tubular anti-roll bar; air spring suspension Type and design of rear-axle suspension Five-link rear axle; tubular anti-roll bar; air spring suspension Steering Electromechanical steering with speed-dependent power assistance Steering ratio min. / max. 15.8 / 15.8 Turning circle / turning circle optional in m (ft) 12.5 (41.0) / n.a. Basic tires, front axle 265/40 R 20 104 Y XL (extra load) - Basic tires, rear axle 265/40 R 20 104 Y XL (extra load) - Wheels, front axle Cast aluminum flow forming 9.0Jx20" Wheels, rear axle Cast aluminum flow forming 9.0Jx20"	
Performance / consumption / acoustics		
Top speed in km/h (mph)		250 (155.3)
Limited		yes
Acceleration, 0-100 km/h (0-62.1 mph)		3.8
Fuel type / octane value		Gasoline / 98
Consumption / emissions*		
Fuel consumption, combined in liters per 100 kilometers (US mpg)		11.4 - 11.3 (20.6-20.8)
CO₂ emissions combined in grams per kilometer (g/mi)		260 - 258 (418.4-415.2)

Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (lb)	2230 (4916.3) / 2305 (5081.7) / 2835 (6250.1)
Front/rear axle load limit in kg (lb)	1450 (3196.7) / 1465 (3229.8)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (lb)	2300 (5070.6) / 2300 (5070.6) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (lb)	90 (198.4) / 95 (209.4)
Capacities	
Cooling system capacity (incl. heating) in liters (US gal)	13.7 (3.6)
Engine oil capacity, including filter (change volume) in liters (US qt)	9.5 (10.0)
Fuel tank capacity in liters (US gal)	82 (21.7)
Dimensions / body	
Body type / number of doors	Audi Space Frame (ASF) / 4
Number of seats	5
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.27 / 2.43 (26.2)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm (ft)	5179 (17.0) / 1945 (6.4) / - / 1474 (4.8)
Width including mirrors in mm (ft)	2130 (7.0)
Wheelbase / track width front/rear in mm (ft)	2998 (9.8) / 1628 (5.34) / 1617 (5.31)
Height of loading edge with steel springs / air springs in mm	- / 698 (2.3)
Luggage capacity behind 2nd seat bench, open / closed in l (cu ft)	- / 505 (17.8)

* Fuel consumption and CO2 emission figures given in ranges depend on the tires/wheels used